

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Muno

DATE: APR 30 1981

SUBJECT: Request For: Sediment Sampling - Grand Calumet
River, East Chicago, IndianaFROM: W.H. Miner, Chief
Engineering Section*Bill Miner*

US EPA RECORDS CENTER REGION 5



508899

TO: Phyllis A. Reed, Deputy Chief
Environmental Emergency Investigation Branch
Project Objective:

- Collect and Analyze 5 sediment samples from the Grand Calumet River in the vicinity of the E.I. DuPont plant, 5215 Kennedy Avenue, East Chicago, Indiana. One sample shall be collected upstream, one downstream, and three adjacent to the plant. See attached sketch. Analysis shall be for those elements contained in former plant products.

Decision Unit D315 Specific Activity Sampling Priority 2Desired Completion Date 7-1-81 Authority Law/Section RCRA 3007Principal Contact: W.E. Muno, 5EWHME Phone 353-2110

Date:

Subject: Acknowledgment of Receipt of Work Request

From:

To:

 will do the above work (as specified) (with modifications).Target Comp. Date: S&A Project No. Est. Cost S&A Project Leader: Phone

Comments:

I. TYPE & ESTIMATED NUMBER OF SAMPLES

A. GROUND WATER _____
B. SURFACE WATER _____
C. RUNOFF/LEACHATE _____
D. WASTE STREAM _____

E. AIR _____
F. SOIL _____
G. SEDIMENT 5 _____
H. BARREL _____

I. SLUDGE _____
J. OIL _____
K. OTHER _____

II. ANALYTICAL ANALYSIS REQUIRED

A. METALS - ICAP _____

BY FLAMELESS AA:

a. LEAD X
b. ARSENIC X
c. SELENIUM _____

d. MERCURY _____
e. CADMIUM _____
f. HEXAVALENT _____
g. OTHERS Vanadium
Antimony
Zinc

B. CYANIDES _____

C. ORGANICS

a. BASE NEUTRAL FRACTION (PRIMARY, SUBSTITUTED BENZENES OTHER
THAN PHENOLS) _____

b. PESTICIDE FRACTION AND TRACE CHLORINATED ORGANICS _____

c. PURGEABLE ORGANICS (HIGHLY VOLATILE SOLVENTS) _____

d. ACID FRACTION (PHENOLICS) _____

e. ORGANIC SCAN - SEDIMENTS (HEXANE/ACETONE EXTRACT) _____

f. PCBs _____

D. ALL NPDES PERMIT PARAMETERS _____

E. OTHER _____

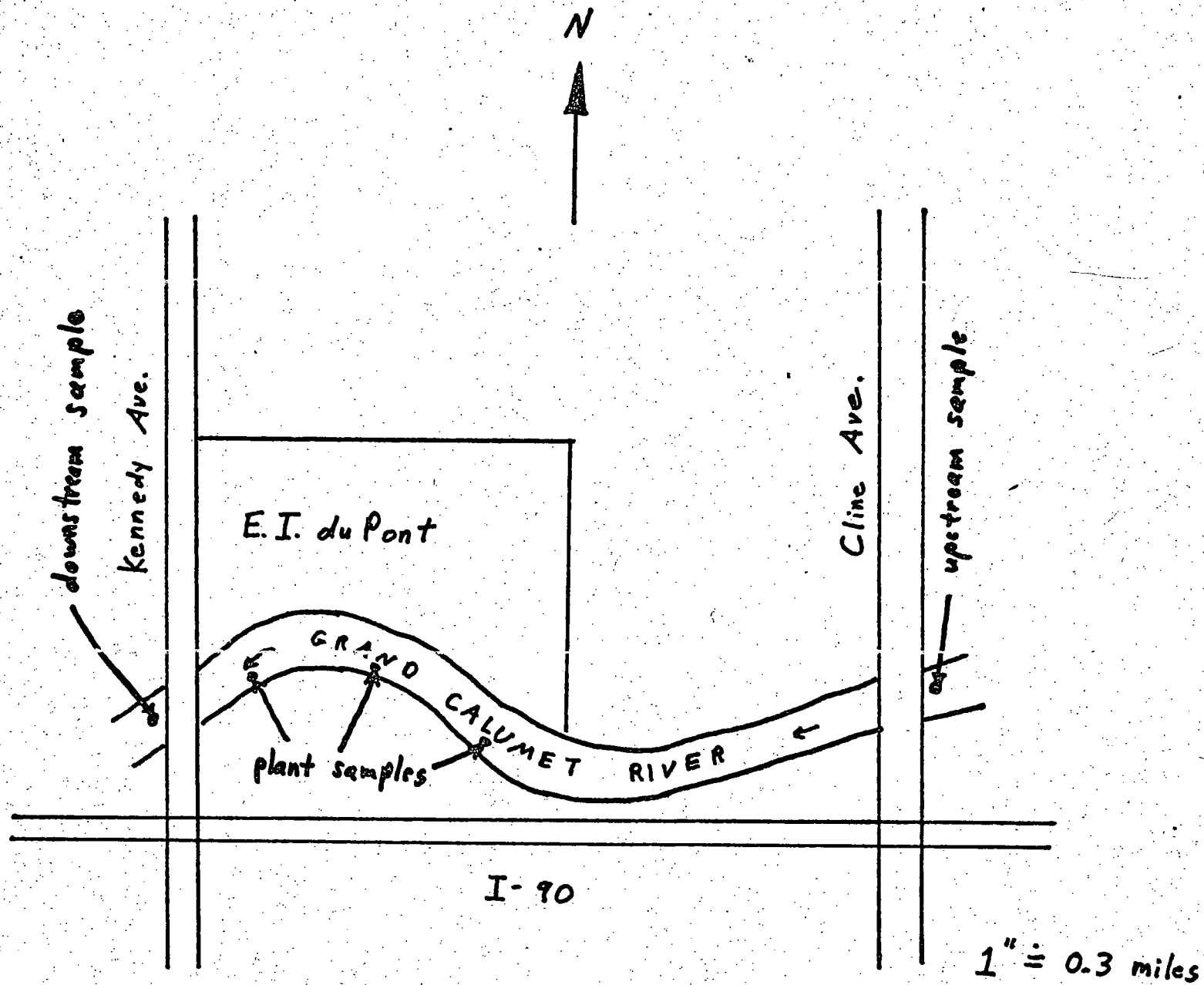
cc: _____, EEIB

_____, DISTRICT OFFICE

CURTIS ROSS, CRL

bcc: Miner
Muno

Leder
Reading File





E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED

EAST CHICAGO, INDIANA 46312

CHEMICALS AND PIGMENTS DEPARTMENT

July 13, 1982

Ecology and Environment, Inc.
223 Jackson Blvd.
Chicago, IL 60606

Attn: Ellen Jurczak

Dear Ms. Jurczak:

We received your letter of June 7 requesting permission for your company to install and sample four groundwater monitoring wells on our Du Pont East Chicago, Indiana plant. As discussed with you by phone, we need more specific information on the program, and I hope that additional details are available to you now.

First, there are the practical aspects of job scope which we need to understand in order to plan for safety orientation and escort of your personnel and to make arrangements for any necessary follow-up services which we must provide. Because the Du Pont East Chicago plant is a small chemical manufacturing operation staffed with a minimum force, we must plan and schedule extra activities carefully. Specific questions follow:

- On what dates and for what time periods do you propose to visit the plant?
- What activity is planned for each visit?
- How many of your people will be involved in each visit?
- Are any agency permits required? If so, what is your program for obtaining them?
- Will Ecology and Environment, Inc., be responsible for all job costs?
- Will there be any need for your personnel to visit plant areas other than the four well locations?
- When will the wells be removed and the work sites restored to their original conditions?

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Ellen Jurczak
July 13, 1982
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Second, there is the technical aspect of your plans, highly important to us from the standpoint of assuring the quality, accuracy and validity of data obtained for our site. We would appreciate detailed information sufficiently in advance of the physical work for our review and comment. Specific information needs follow:

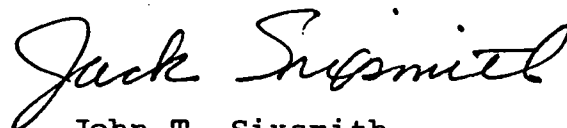
- What is the design of the proposed wells and what materials of construction will be used?
- What procedures are specified for drilling, sealing, flushing, and closure of the monitoring wells?
- What number of samples will be taken and for what characteristics will they be analyzed?
- What are the procedural details for the collection and identification of samples and for their control prior to analyses?
- What analytical methods will be used?
- What quality assurance program is specified for the control of analytical procedures?
- What laboratory will run the sample analyses? Is the laboratory EPA approved?

Finally, we wish to understand the overall study plans and objectives and the degree your proposed program will include the municipality and other industry in our immediate locality. As we have pointed out to the EPA previously, we believe that any meaningful groundwater monitoring study must be done on an area-wide basis rather than an individual plant basis since there is such a concentration of heavy industry in this region. To gain insight in this matter, we request that you share with us a copy of the EPA contract under which your monitoring study will be done and also a copy of the scope of work for all activity programmed to take place in East Chicago, Gary, and Hammond.

Ellen Jurczak
July 13, 1982
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We would appreciate your reply to our questions. Please do not hesitate to call me should you need additional information.

Yours truly,

A handwritten signature in cursive script that reads "Jack Sixsmith".

John T. Sixsmith
Environmental Control
Coordinator

JTS:ckg

cc: Jim Knoy
Indiana State Board of Health
1330 West Michigan Street
Indianapolis, Indiana 46206